

OPTICAL SYSTEM HAVING A TRANSMISSION OPTICAL
CORRECTOR WITH A SELECTIVELY NONUNIFORM
PASSIVE TRANSMISSION OPTICAL PROPERTY

ABSTRACT OF THE DISCLOSURE

5 An optical system includes a window having a nonspherically curved outer
surface and a curved inner surface, and a transmission optical corrector adjacent
to the curved inner surface of the window. The transmission optical corrector has
a selectively nonuniform passive transmission optical property, such as a spatially
varying index of refraction of the transmission optical corrector or a spatially
10 varying diffractive property of the transmission optical corrector. The optical
system further has an optical train positioned such that the transmission optical
corrector lies between the curved window and the optical train. A sensor is
disposed to receive the optical ray passing sequentially through the window, the
transmission optical corrector, and the optical train.